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PATENTS, TRADEMARKS, COPYRIGHTS & UNFAIR COMPETITION

March 20, 2006

Commissioner For Patents
Office of Initial Patent Examination
Customer Service Center
P.O. Box 1450
Alexandria, VA 22313-1450

Re: Our File: POWERZ 3.3-014
Appln. No. 10/529,813
Filing Date: October 12, 2005
Group Art Unit: 3700

Dear Sir:

We are enclosing herewith copies of the filing receipt, executed Declaration and Application Data Sheet for the above-identified patent application.

Please note that the enclosed filing receipt contains two errors. First, the correct number of **sheets of drawings** should read --4--, not "3." Second, the section entitled "*Domestic Priority Data as claimed by Applicant*" should read as follows:

--This application is a 371 of PCT/US03/31457 10/03/2003
which claims benefit of 60/415,701 10/03/2002--.

Also, the section entitled "*Foreign Applications*" should remain blank.

Kindly issue a corrected filing receipt for the above-identified application as soon as possible.

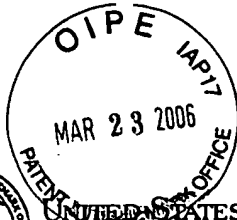
Sincerely yours,

LERNER, DAVID, LITTENBERG,
KRUMHOLZ & MENTLIK, LLP

ARNOLD H. KRUMHOLZ
Reg. No. 25,428

AHK/l
Enclosures

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UNITED STATES PATENT AND TRADEMARK OFFICE

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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/529,813	10/12/2005	3700	730	POWERZ 3.3-014	3	13	2

CONFIRMATION NO. 6261

FILING RECEIPT



OC000000018036909

530
LERNER, DAVID, LITTENBERG,
KRUMHOLZ & MENTLIK
600 SOUTH AVENUE WEST
WESTFIELD, NJ 07090

Date Mailed: 02/14/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Rosalyn Ritts, Princeton, NJ;
Hoi-Cheong Steve Sun, Dayton, NJ;
Richard T. Whipple, Raritan, NJ;
Steven Alan Lipp, West Windsor, NJ;
Susan Klatskin, Lawrenceville, NJ;

Power of Attorney: The patent practitioners associated with Customer Number 530.

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/US03/31457 10/03/2003

Foreign Applications

UNITED STATES OF AMERICA 60415701 10/03/2002

Projected Publication Date: 05/25/2006

Non-Publication Request: No

Early Publication Request: No

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LDLK&M

FEB 21 2006

RECEIVED

Title

Fuel cells including biocompatible membranes and metal anodes

Preliminary Class

034

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process simplifies the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

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Title 37, Code of Federal Regulations, 5.11 & 5.15**

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Application Data Sheet

Application Information

Application Type::	Regular
Subject Matter::	Utility
Suggested Group Art Unit::	N/A
CD-ROM or CD-R?::	None
Sequence submission?::	None
Computer Readable Form (CRF)?::	No
Title::	FUEL CELLS INCLUDING BIOCOMPATIBLE MEMBRANES AND METAL ANODES
Attorney Docket Number::	POWERZ 3.3-014
Request for Early Publication?::	No
Request for Non-Publication?::	No
Suggested Drawing Figure::	2A
Total Drawing Sheets::	4
Small Entity?::	No
Petition included?::	No
Secrecy Order in Parent Appl.?::	No

Applicant Information

Applicant Authority Type::	Inventor
Primary Citizenship Country::	US
Status::	Full Capacity
Given Name::	Rosalyn
Family Name::	Ritts
City of Residence::	Princeton
State or Province of Residence::	NJ
Country of Residence::	US
Street of mailing address::	53 Hun Road
City of mailing address::	Princeton

State or Province of mailing address:: NJ
Postal or Zip Code of mailing address:: 08540

Applicant Authority Type:: Inventor
Primary Citizenship Country:: US
Status:: Full Capacity
Given Name:: Hoi-Cheong
Middle Name:: Steve
Family Name:: Sun
City of Residence:: Dayton
State or Province of Residence:: NJ
Country of Residence:: US
Street of mailing address:: 1504 Blossom Circle
City of mailing address:: Dayton
State or Province of mailing address:: NJ
Postal or Zip Code of mailing address:: 08810

Applicant Authority Type:: Inventor
Primary Citizenship Country:: US
Status:: Full Capacity
Given Name:: Richard
Middle Name:: T.
Family Name:: Whipple
City of Residence:: Raritan
State or Province of Residence:: NJ
Country of Residence:: US
Street of mailing address:: 91 First Avenue
City of mailing address:: Raritan
State or Province of mailing address:: NJ
Postal or Zip Code of mailing address:: 08869

Applicant Authority Type:: Inventor

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Primary Citizenship Country:: US
Status:: Full Capacity
Given Name:: Steven
Middle Name:: Alan
Family Name:: Lipp
City of Residence:: West Windsor
State or Province of Residence:: NJ
Country of Residence:: US
Street of mailing address:: 9 Woodland Court
City of mailing address:: West Windsor
State or Province of mailing address:: NJ
Postal or Zip Code of mailing address:: 08550

Applicant Authority Type:: Inventor
Primary Citizenship Country:: US
Status:: Full Capacity
Given Name:: Susan
Family Name:: Klatskin
City of Residence:: Lawrenceville
State or Province of Residence:: NJ
Country of Residence:: US
Street of mailing address:: 6 Rickard Court
City of mailing address:: Lawrenceville
State or Province of mailing address:: NJ
Postal or Zip Code of mailing address:: 08502

Correspondence Information

Correspondence Customer Number:: 000530

Representative Information

Representative Customer Number:: 000530

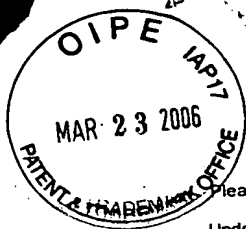
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Domestic Priority Information

Application::	Continuity Type::	Parent Application::	Parent Filing Date::
This Application	National Stage of	PCT/US2003/031457	10/03/03
PCT/US2003/031457	An application claiming the benefit under 35 USC 119(e)	60/415,701	10/03/02

Foreign Priority Information**Assignee Information**

Assignee name:: PowerZyme, Inc.
Street of mailing address:: 7 Deer Park Drive, Suite G
City of mailing address:: Monmouth Junction
State or Province of mailing address:: NJ
Postal or Zip Code of mailing address:: 08852



Please type a plus sign (+) inside this box ☐

PTO/SB/01 (03-01)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)	<input type="checkbox"/> Declaration Submitted with Initial Filing	OR	<input checked="" type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)
	Attorney Docket Number POWERZ 3.3-014		
	First Named Inventor Rosalyn Ritts		
	COMPLETE IF KNOWN		
	Application Number 10/529,813		Filing Date March 30, 2005
	Group Art Unit N/A		Examiner Name Not Yet Assigned

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am an original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

FUEL CELLS INCLUDING BIOCOMPATIBLE MEMBRANES AND METAL ANODES

(Title of the Invention)

the specification of which

☐ is attached hereto
OR

☒ was filed on (MM/DD/YYYY) 10/03/2003 as United States Application Number or PCT International

Application No. PCT/US2003/031457 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365 (a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

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PTO/SB/01 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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DECLARATION — Utility or Design Patent Application

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Customer Number 000530

Direct all correspondence to:

☒ Customer Number
or Bar Code Label

000530

OR ☐ Correspondence address below

Name

Address

City

State

ZIP

Country

Telephone

Fax

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR:

☐ A petition has been filed for this unsigned inventor.

Given Name
(first and middle (if any))

Rosalyn

Family Name
or Surname

Ritts

Inventor's
Signature

Rosalyn Ritts

Date

4/27/05

Residence: City

Princeton

State

NJ

United States of
America

Citizenship

US

Mailing
Address:

53 Hun Road

City

Princeton

State

NJ

ZIP

08540

Country

United States of America

NAME OF SECOND INVENTOR:

☐ A petition has been filed for this unsigned inventor.

Given Name
(first and middle (if any))

Hoi-Cheong Steve

Family Name
or Surname

Sun

Inventor's
Signature

Hoi-Cheong Steve Sun

Date

4/27/05

Residence: City

Dayton

State

NJ

United States of
America

Citizenship

US

Mailing
Address:

1504 Blossom Circle

City

Dayton

State

NJ

ZIP

08810

Country

United States of America

☒

Additional inventors are being named on the

1

supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

LD-537A



DECLARATION	ADDITIONAL INVENTOR(S) Supplemental Sheet	Page 1 of 1
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Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Richard T.		Whipple	
Inventor's Signature <i>Richard T. Whipple</i>		Date: 4/27/05	
Raritan	NJ	United States of America	US
Residence: City	State		Citizenship
Mailing Address: 91 First Avenue			
Raritan	NJ	08869	United States of America
City	State	Zip	Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Steven Alan		Lipp	
Inventor's Signature		Date	
West Windsor	NJ	United States of America	US
Residence: City	State		Citizenship
Mailing Address: 9 Woodland Court			
West Windsor	NJ	08550	United States of America
City	State	Zip	Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Susan		Klatskin	
Inventor's Signature		Date	
Lawrenceville	NJ	United States of America	US
Residence: City	State		Citizenship
Mailing Address: 6 Rickard Court			
Lawrenceville	NJ	08502	United States of America
City	State	Zip	Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address:			
City	State	Zip	Country

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DECLARATION		ADDITIONAL INVENTOR(S) Supplemental Sheet		Page 1 of 1
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Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle (if any))		Family Name or Surname		
Richard T.		Whipple		
Inventor's Signature		Date		
Residence: City	State	Country	Citizenship	
Raritan	NJ	United States of America	US	
Mailing Address:		91 First Avenue		
City	State	Zip	Country	
Raritan	NJ	08869	United States of America	

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle (if any))		Family Name or Surname		
Steven Alan		Lipp		
Inventor's Signature		Date		
<i>Steven Alan Lipp</i>		5/2/05		
Residence: City	State	Country	Citizenship	
West Windsor	NJ	United States of America	US	
Mailing Address:		9 Woodland Court		
City	State	Zip	Country	
West Windsor	NJ	08550	United States of America	

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle (if any))		Family Name or Surname		
Susan		Klatskin		
Inventor's Signature		Date		
Lawrenceville		US		
Residence: City	State	Country	Citizenship	
Lawrenceville	NJ	United States of America	US	
Mailing Address:		6 Rickard Court		
City	State	Zip	Country	
Lawrenceville	NJ	08502	United States of America	

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle (if any))		Family Name or Surname		
Inventor's Signature		Date		
Residence: City	State	Country	Citizenship	
Mailing Address:				
City	State	Zip	Country	

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DECLARATION		ADDITIONAL INVENTOR(S) Supplemental Sheet		Page 1 of 1
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Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle (if any))		Family Name or Surname		
Richard T.		Whipple		
Inventor's Signature		Date		
Residence: City	State	United States of America	Citizenship US	
Mailing Address:	91 First Avenue			
City	State	Zip	Country	
Raritan	NJ	08869	United States of America	

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle (if any))		Family Name or Surname		
Steven Alan		Lipp		
Inventor's Signature		Date		
Residence: City	State	United States of America	Citizenship US	
Mailing Address:	9 Woodland Court			
City	State	Zip	Country	
West Windsor	NJ	08550	United States of America	

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle (if any))		Family Name or Surname		
Susan		Klatskin		
Inventor's Signature <i>Susan Klatskin</i>		Date 5/5/05		
Residence: City	State	United States of America	Citizenship US	
Mailing Address:	6 Rickard Court			
City	State	Zip	Country	
Lawrenceville	NJ	08502	United States of America	

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle (if any))		Family Name or Surname		
Inventor's Signature		Date		
Residence: City	State	Country	Citizenship	
Mailing Address:				
City	State	Zip	Country	

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